

CIRCUIT MATERIALS, CIRCUITS, MULTI-LAYER CIRCUITS AND METHODS OF MANUFACTURE THEREOF

ABSTRACT OF THE INVENTION

Crosslinkable liquid crystalline polymer compositions for use as dielectric materials in circuit materials, circuits, and multi-layer circuits are disclosed. The crosslinkable liquid crystalline polymer compositions comprise crosslinkable liquid crystalline polymers that preferably comprise end groups selected from the group consisting of phenyl maleimide, nadimide, phenyl acetylene, or combinations of the foregoing. Additionally, the crosslinkable liquid crystalline polymer compositions may further comprise particulate fillers and/or fibrous webs. The crosslinkable liquid crystalline polymer compositions provided improved electrical and mechanical properties.